OCCUPATIONAL EMPLOYMENT IN TRADE, TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES

NORTH CAROLINA

1979

EMPLOYMENT SECURITY COMMISSION
OF NORTH CAROLINA

Glenn R. Jernigan, Chairman

This is a cooperative program involving the Employment Security Commission of North Carolina, the Bureau of Labor Statistics, and the Employment and Training Administration of the U.S. Department of Labor.

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A Labor Market Information Publication

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INTRODUCTION

The manpower planning process has increased the need for information on occupational employment. The Employment and Training Administration and the Bureau of Labor Statistics, both of the U. S. Department of Labor, have developed the Occupational Employment Statistics (OES) Program to help meet these manpower planning needs. The OES Program has three main elements:

1. Periodic surveys of approximately 2,000 occupations by industry.

2. The National/State Industry Occupational Employment Matrix.

3. State and Area Manpower Projections by Industry and Occupation.

This report is the tenth published output of a North Carolina Occupational survey. This publication is based on a survey conducted between August, 1979 and February, 1980. Three divisions as defined by the 1972 Standard Industrial Classification Manual (SIC) are covered by this survey. These divisions are: Wholesale Trade, (2) Retail Trade, and (3) Transportation, Communications, Electric, Gas, and Sanitary Services (except Railroads and the U. S. Postal Service). Data for the Postal Service will be included in the next publication for employment in government. Data for Railroads are being collected by the Bureau of Labor Statistics and provided to individual states.

In 1979 there were 591,300 persons employed in industries covered by this survey. This was 24.9 percent of the total nonagricultural wage and salary employment in the state. In the trade division there were 482,900 workers employed in 1979 in North Carolina. Of this total, 25.5 percent or 123,000 were employed in wholesale trade industries and 74.5 percent or 359,900 were employed in retail trade.

Chart A shows the relationship of nonagricultural wage and salary employment for the major divisions in the state for 1979. Chart B shows the average annual nonagricultural wage and salary employment in North Carolina from 1972 to 1979. Charts C and D show the average annual employment for trade and transportation, communication and public utilities in the state from 1972 to 1979.

NOTE: Employment data for Charts A, B, C, and D are expressed as average annual figures. The information was obtained from the Current Employment Statistics (CES) unit of the Bureau of Employment Security Research.

CHART A: 1979 NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT BY MAJOR DIVISION

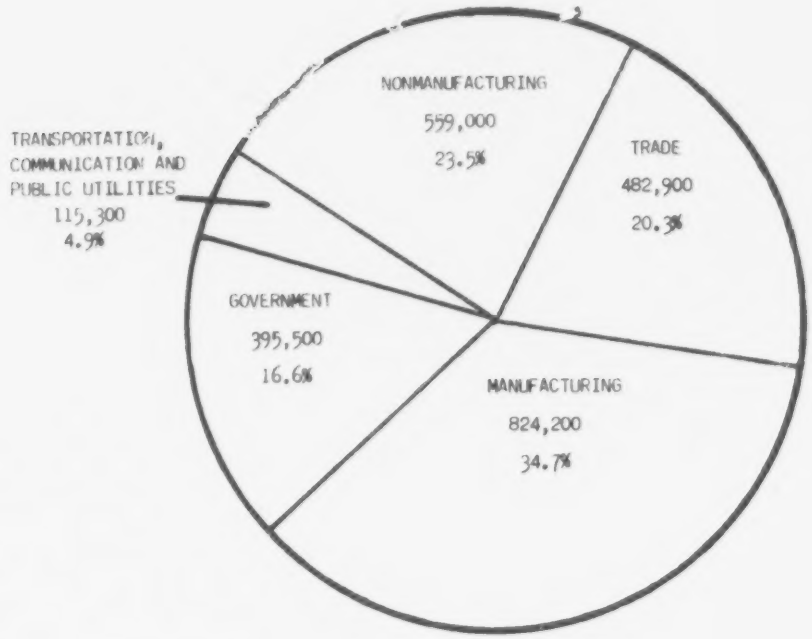

CHART B: NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

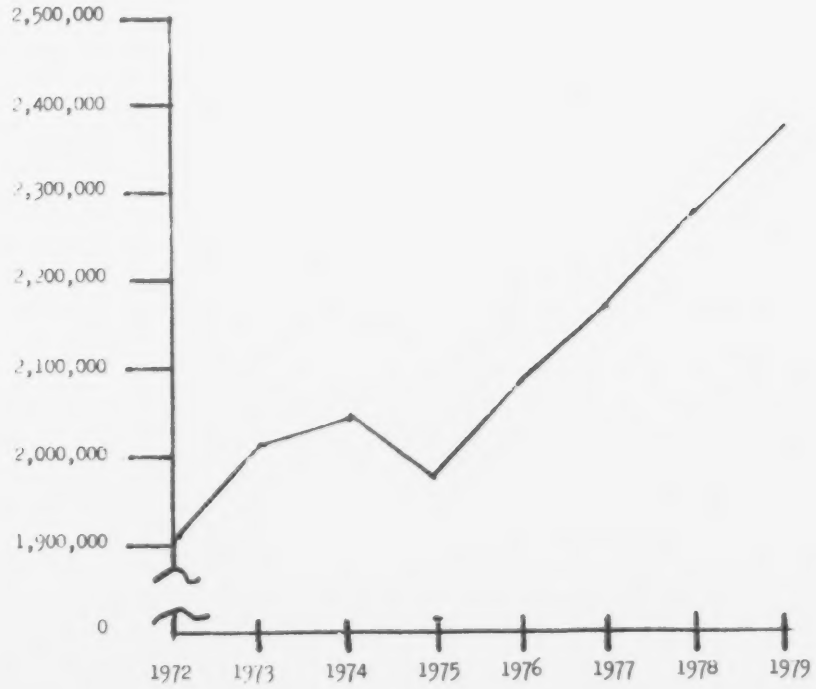

CHART C: TRADE WAGE AND SALARY EMPLOYMENT

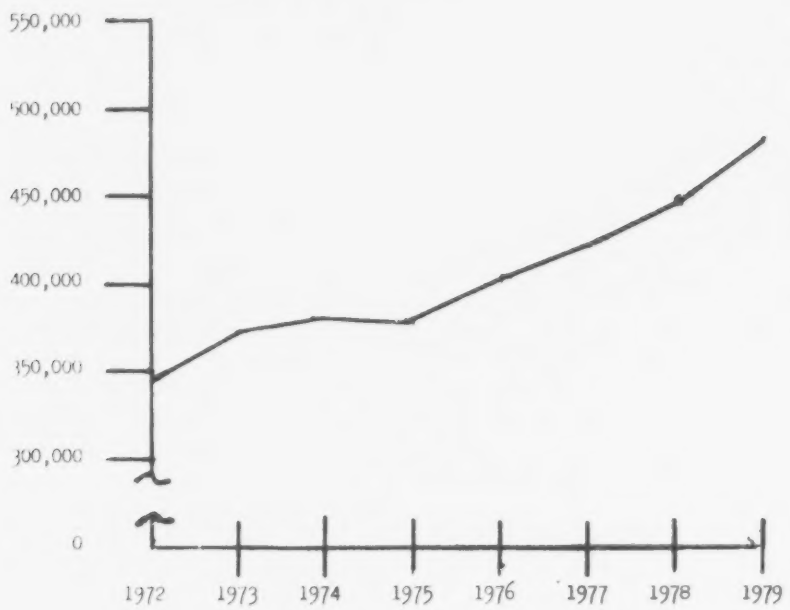

CHART D: TRANSPORTATION, COMMUNICATION, AND PUBLIC UTILITIES WAGE AND SALARY EMPLOYMENT

METHODOLOGY

A questionnaire was mailed to sampled trade, transportation, communication and public utility establishments in order to obtain occupational data. The total occupational employment for an industry was ten estimated from the reporting establishments.

Sample

The sample was drawn using procedures outlined in the OES Survey Operations Manual. Establishments were divided into different size classes by number of employees. All establishments with more than 250 employees were sampled. Establishments in each smaller size class were sampled in proportion to the employment in the size class; however, no establishment with fewer than four employees was sampled. Employment in these establishments was accounted for in the next larger size class. Each unit that was sampled was assigned a weight according to the ratio of units sampled in that size class. For example, when all units in a size class were sampled, the weight was one. When the units were sampled at a ratio of one out of four, the sampled unit was given a weight of four. The weighted establishment then represented itself and three other establishments.

Collection

Data collection began in August, 1979, and ended in January, 1980. Two follow-up mailings, personal visits, or telephone calls were made to those establishments whose responses are vital for statistical purposes, to those who had difficulty completing the questionnaire, or to those requiring clarification of the response.

Estimates

Data from the questionnaires were keypunched and loaded to tape. The tape was processed using the OES Batch Systems Programs to sort and screen the data. The estimating program sorted the data into size class cells. The weighted employment of each occupation in each cell was then estimated individually and summed across all cells in order to produce the final occupational employment estimate for each industry.

Error

Two types of errors, sampling and non-sampling, can affect the results of a survey. Sampling error is the difference between the estimates developed from data collected from a sample and the data collected from the universe from which the sample was drawn. Sampling error is measurable and is expressed as relative error. The relative error shown in this publication is such that the chances are two out of three that the results of comparable universal data collection would not differ by more than the percentage shown. Non-sampling error can arise from faulty questionnaire design, inability to collect necessary data, inaccuracy of data collected, and ineffective processing techniques. Non-sampling error cannot be measured.

Publication

After the data file had been procensed through the OES estimates programs, a computer printout was received which contained the estimated employment for each occupation, the relative error of the occupational estimate, the percent distribution of the occupational employment, the number of employees reported in each occupation, and the number of establishments which reported each occupation.

Industries were surveyed at the 3-digit SIC level; however, published data are at the 2-digit level of detail. The following exceptions were made to this format. The table for industry code 48, Communications, excludes three-digit code 483-Radio and Television Broadcasting, which is a separate table. The table for industry 49-Electric, Gas, and Sanitary Services, excludes industry 492 - Gas Production and Distribution. These exceptions were made to provide a better grouping of industries with compatible staffing patterns.

Occupational data were not published for industries when the industry employment was less than 1,000. The estimated employment for occupations was rounded to the nearest ten. The estimated employment was put in a residual category when the estimated employment for an occupation was less than 15 or less than 0.05 percent of the total group employment, when the relative error was more than 35 percent, or when an occupation was not reported by at least four establishments. Although they are not published here, the suppressed industry and occupation data will be included in the industry/occupation matrix.

Relative error is not applicable (N.A.) for residual categories, occupational group totals and total employment because it is not additive. The percent distribution was computed on the unrounded employment estimates; therefore, some occupations with the same published estimated employment may not have the same percent distribution. Six major occupational groups are listed for each industry. When there was no reported employment in an occupational group, the estimated employment is listed as zero. When the estimated employment for the occupational group was less than 15, the figure was not published; however, the existence of some employment in the group is indicated by a dash (--).

NOTE: Occasionally the sum of the occupations will not equal the Total Employment of the Occupational Category because of rounding.

SELECTED LIST OF RELEVANT PUBLICATIONS

The following is a partial list of publications that may be helpful to manpower planners. The publications are available from the Employment Security Commission of North Carolina, Bureau of Employment Security Research. A complete list of the Bureau's publciations may be found in their Catalog of Publications and Releases.

1. Results of OES surveys of Occupational Employment for industries in

   A. Trade, Transportation, Communication and Public Utilities
   B. Manufacturing
   C. Government
   D. Nonmanufacturing

2. North Carolina Labor Force Estimates by County, Area, and State. A labor force study in which monthly and annual average employment by major industry divisions, and unemployment are shown for the State, each county, and each multi-county labor area for the preceding calendar year.

3. Preliminary Civilian Labor Force Estimates. A monthly report showing preliminary labor force, total employment, total unemployment rates for the State and for each of the 100 counties.

4. Active Job Applicants Registered for Work with Employment Security Commission Offices, by applicant's county of residence. A special report prepared upon request depicting the number of actively registered job applicants available for work within a commuting radius of any designated town or industrial site in the State. Report includes a map of the area, total population of the area, and number of high school graduates entering the labor vorce.

5. Area Labor Market Newsletters. A monthly or bimonthly report for selected labor areas of the State which includes a narrative analysis and supporting statistical data on employment and unemployment trends in the area.

6. Applicants and Nonagricultural Job Openings by Occupation. A quarterly summary report of job applicants and job openings for selected occupations. Report shows number of applicants registered to date during fiscal year and number actively registered at close of month, with a female breakout. Also, shows nonfarm job openings received and filled during fiscal year and number unfilled for 30 days or more.

7. North Carolina and Labor Market Area Annual Planning Reports. An annual report which contains detailed labor market data including a definition of the area, economic development and area outlook; population and labor force characteristics and trends; employment developments and outlook by industry and occupation; recent trends in unemployment; estimates of need for manpower services; characteristics of the economically disadvantaged and nondisadvantaged; and barriers to employment of the economically disadvantaged. Contains supportive statistical charts, tables, and maps.

8. Employment Projections to 1985 (to be published July, 1981) for
   A. North Carolina
   B. Seven Standard Metropolitan Statistical Areas (SMSA)
   C. Eighteen Planning Regions

   Biennial reports that contain projections of future industrial and occupational employment needs to the year 1985 for the State and the SMSA's and projections of future occupational employment needs to the year 1985 for the Planning Regions. Reports include a narrative analysis and supportive statistical data in tables and charts.

9. State Labor Summary. A monthly report designed to provide an overview of statewide labor market conditions. Includes a narrative analysis and supporting statistical data on current employment and unemployment trends; labor supply and demand relationships; employment and training program activities; labor turnover; hours worked and wages paid.

10. 1980 Wage Rates in Selected Occupations. An annual report giving a statewide breakdown of wage rates by occupation and by industry. Also included are breakdowns by occupation for the eighteen planning regions. Rates are for production and non-production workers in manufacturing industries.

The following is an additional list of publications available through the U. S. Government Printing Office.

1. Standard Industrial Classification Manual, 1972. A classification of establishments by type of activity in which engaged; for the purposes of facilitating the collection, tabulation, presentation, and analysis of data relating to establishments; and for promoting uniformity and comparability in the presentation of statistical data collected by various agencies of the United States Government, State agencies, trade associations, and private research organizations.

2. Dictionary of Occupational Titles, Fourth Edition, 1977. The U. S. Department of Labor, Employment and Training Administration publication contains the country's most comprehensive job descriptions and related information on the 20,000 occupations identified in the United States. Known as the "DOT", the volume groups jobs in a classification structure based on interrelationships of tasks and requirements.

3. Guide for Occupational Exploration. This U. S. Department of Labor, Employment and Training Administration publication groups the thousands of occupations in the world of work by interests and by ability and traits required for successful performance. Descriptive information is provided for each work group to assist the individual in reviewing, understanding, and evaluating his or her own interests and potentials and relating them to pertinent fields of work.

4. Occupational Outlook Handbook, U. S. Department of Labor. A description of more than 850 occupations that include jobs about which young people are most interested in learning, occupations requiring long periods of education or training, and a number of small but growing fields of employment. Each escription contains a section on the nature of the work; industrial and/or geographic places of employment; training, other qualifications, and advancement; and prospective job opportunities on a National level.

LOCAL AND SUBURBAN TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION (SIC 41)

This classification includes those establishments engaged in furnishing local and suburban passenger transportation as well as highway passenger transportation. Highway passenger terminals or maintenance facilities are also included in this major group.

The following table shows the percent distribution of establishments and employment by establishment size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	86.0	28.5
20-49 employees	7.0	14.4
50-99 employees	4.8	24.6
100 or more employees	2.2	32.5

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for nearly 70% of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Bus Drivers	1,640	39.7
Taxi Drivers	610	14.8
Managers and Officers	200	4.7
Dispatchers	190	4.6
Ticket Agents	160	3.9

LOCAL AND INTERURBAN PASSENGER TRANSIT

(SIC 41)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	4,140	N.A.	100.0
Managers and Officers	200	5.1	4.7
Professional and Technical Workers	110	N.A.	2.7
Accountants and Auditors	20	26.8	0.6
Emergency Medical Technicians	90	25.5	2.1
Other Professional Workers	-	N.A.	-
Services	160	N.A.	3.9
Janitors, Porters, and Cleaners	100	16.6	2.4
Other Service Workers	60	19.9	1.5
Maintenance and Production Workers	3,070	N.A.	74.2
Supervisors	50	14.1	1.2
Mechanics and Repairers	260	N.A.	6.3
Mechanics, Automotive	130	15.2	3.2
Diesel Mechanics	90	6.1	2.1
Automotive Body Repairers	40	3.7	0.9
Bus Drivers	1,640	3.4	39.7
Taxi Drivers	610	4.0	14.8
Chauffeurs	50	31.0	1.3
School Bus Drivers	140	7.3	3.3
Vehicle Cleaners	130	2.9	3.2
Helpers, Trades	90	11.8	2.1
Fuel Pump Attendants	60	9.3	1.3
Other Laborers	40	N.A.	1.0
Clerical Workers	610	N.A.	14.7
General Office Clerks	110	10.2	2.6
Secretaries	40	7.0	0.8
Ticket Agents	160	17.0	3.9
Shipping and Receiving Clerks	40	15.2	1.0
Dispatchers, Vehicle, Service or Work	190	7.4	4.6
Other Office Clerical Workers	50	N.A.	1.2
Other Plant Clerical Workers	20	N.A.	0.5
Sales Workers	0	N.A.	0

1/ Detail may not add to totals because of rounding or data not published.

MOTOR FREIGHT TRANSPORTATION AND WAREHOUSING (SIC 42)

This major group includes establishments furnishing local or long-distance trucking, or transfer services, or those engaged in the storage of farm products, furniture and other household goods, or commercial goods of any nature. The operation of terminal facilities for handling freight, with or without maintenance facilities, is also included.

Over 75% of the establishments have 19 or fewer employees; whereas, nearly 50% of the employment is in establishments with 100 or more employees. The following table shows the percent distribution of establishments and employment by establishment size in this group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	79.2	18.1
20-49 employees	12.5	16.6
50-99 employees	4.9	16.0
100 or more employees	3.4	49.3

The following table lists the five specific occupations by employment size for this major group. These occupations had 51.9 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Tractor-Trailer Truck Drivers	14,930	32.8
Managers and Officers	2,980	6.5
Truck Drivers, Heavy	2,370	5.2
General Office Clerks	1,840	4.0
Diesel Mechanics	1,580	3.5

TRUCKING AND WAREHOUSING

(SIC 42)

MAY, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	45,590	N.A.	100.0
Managers and Officers	2,980	8.6	6.5
Professional and Technical Workers	460	N.A.	1.0
Engineers	50	25.9	0.1
Systems Analysts, EDP	20	24.7	0.1
Purchasing Agents and/or Buyers	30	20.8	0.1
Personnel and Labor Relations Specialists	80	21.4	0.2
Computer Programmers	50	21.0	0.1
Other Professional and Technical Workers	230	N.A.	0.5
Service Workers	300	N.A.	0.7
Janitors, Porters, and Cleaners	250	18.3	0.5
Other Service Workers	50	N.A.	0.1
Maintenance and Production Workers	32,170	N.A.	70.6
Supervisors	1,240	13.0	2.7
Mechanics and Repairers	2,230	N.A.	4.9
Automotive Body Repairers	70	31.1	0.2
Diesel Mechanics	1,580	13.3	3.5
Other Mechanics and Repairers	580	N.A.	1.3
Truck Drivers, Heavy	2,370	31.2	5.2
Tractor-Trailer Truck Drivers	14,930	9.4	32.8
Industrial Truck Operators	560	31.4	1.2
Helpers, Trades	70	31.8	0.2
Other Skilled Workers	20	N.A.	0.1
Other Semiskilled Workers	3,500	N.A.	7.7
Other Unskilled Workers	7,250	N.A.	15.9
Clerical Workers	9,200	N.A.	20.2
Supervisors	250	10.7	0.5
Bookkeeping/Billing Machine Operators	230	20.7	0.5
Computer Operators	100	31.7	0.2
Keypunch Operators	190	17.5	0.4
Accounting Clerks	190	16.8	0.4
Bookkeepers, Hand	270	29.6	0.6
Adjustment Clerks	180	17.4	0.4
Cashiers	50	31.8	0.1
General Office Clerks	1,840	15.6	4.0
Payroll/Timekeeping Clerks	140	16.1	0.3
Personnel Clerks	30	24.7	0.1
Secretaries	950	24.5	2.1
Switchboard Operators/Receptionists	60	38.6	0.1
Typists	90	32.8	0.2
Stock Clerks, Stockroom	1,030	23.6	2.3
Dispatchers, Vehicle, Service or Work	620	15.5	1.4
Rate Clerks, Freight	360	14.9	0.8
Other Office Clerical Workers	500	N.A.	1.1
Other Plant Clerical Workers	2,120	N.A.	4.7
Sales Workers	520	N.A.	1.1

1/ Detail may not add to totals because of rounding or data not published.

TRANSPORTATION BY AIR
(SIC 45)

This major group includes establishments engaged in furnishing domestic and foreign transportation by air as well as those which operate airports and flying fields and furnishing terminal services.

Over 75% of the establishments have 19 or fewer employees; whereas 75% of the employment is in establishments with 100 or more employees. The following table shows the percent distribution of establishments and employment by establishment size in this group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	76.7	8.7
20-49 employees	12.1	8.1
50-99 employees	6.0	7.9
100 or more employees	5.2	75.3

The following table lists the five specific occupations by employment size for this major group. These occupations had 64.7 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Reservation Agents	1,600	27.8
Ticket Agents	740	12.9
Mechanics Aircrafts	600	10.5
Line-Service Attendants	420	7.3
Airplane Pilots	370	6.4

TRANSPORTATION BY AIR

(SIC 45)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	5,760	N.A.	100.0
Managers and Officers	300	10.1	5.3
Professional and Technical Workers	480	N.A.	8.3
Teachers, Vocational	50	28.3	0.9
Accountants and Auditors	20	12.6	0.4
Airplane Pilots	370	18.1	6.4
Other Professional and Technical Workers	40	N.A.	0.7
Services	310	N.A.	5.4
Supervisors	60	28.5	1.0
Janitors, Porters, and Cleaners	20	35.0	0.3
Flight Attendants	210	12.3	3.7
Other Service Workers	20	N.A.	0.3
Maintenance and Production Workers	1,360	N.A.	23.6
Supervisors	30	22.2	0.5
Mechanics and Repairers	700	N.A.	12.2
Mechanics, Aircraft	600	11.9	10.5
Mechanics, Automotive	20	20.2	0.4
Radio Mechanics	60	19.3	1.0
Other Mechanics and Repairers	20	N.A.	0.3
Vehicle Cleaners	130	5.4	2.3
Electricians	30	8.0	0.5
Line-Service Attendants	420	16.4	7.3
Other Laborers	50	N.A.	0.9
Clerical Workers	3,260	N.A.	56.6
Keypunch Operators	30	20.4	0.5
Accounting Clerks	120	19.1	2.0
Reservation Agents	1,600	12.3	27.8
General Office Workers	250	18.5	4.4
Payroll/Timekeeping Clerks	20	26.8	0.3
Secretaries	100	10.7	1.7
Ticket Agents	740	16.6	12.9
Typists	20	20.3	0.4
Stock Clerks, Stockroom	50	16.5	0.8
Dispatchers, Airplane	40	25.7	0.7
Other Office Clerical Workers	60	N.A.	1.0
Other Plant Clerical Workers	230	N.A.	4.1
Sales Workers	30	N.A.	0.5
Sales Representatives	30	24.9	0.5

1/ Detail may not add to totals because of rounding or data not published.

TRANSPORTATION SERVICES
(SIC 47)

This major group includes establishments furnishing services incidental to transportation, such as forwarding and packing services, and the arrangement of passenger and freight transportation.

Over 90 percent of the establishments have 19 or fewer employees; while nearly two-thirds of the employment is in the same size class. The following table shows the percent distribution of establishments and employment by establishment size in the transportation services group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	92.1	63.3
20-49 employees	6.1	20.4
50-99 employees	1.8	16.3
100 or more employees	-	-

The following table lists the five specific occupations by employment size for this group. These occupations accounted for nearly 65% of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Travel Agents	370	28.7
Managers and Officers	260	19.8
General Office Clerks	90	6.8
Truck Drivers	60	4.6
Bookkeepers, Hand	50	3.6

TRANSPORTATION SERVICES

(SIC 47)

APRIL, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	1,290	N.A.	100.0
Managers and Officers	260	6.6	19.8
Professional and Technical	390	N.A.	30.2
Travel Agents	370	7.8	28.7
Other Professional and Technical Workers	20	N.A.	1.6
Service Workers	-	N.A.	-
Maintenance and Production Workers	340	N.A.	26.4
Supervisors	20	32.5	1.7
Truck Drivers	60	28.1	4.6
Other Semiskilled Workers	70	N.A.	5.4
Other Laborers	190	12.1	14.9
Clerical Workers	260	N.A.	20.2
Bookkeeping/Billing Machine Operators	30	32.4	2.0
Bookkeepers, Hand	50	14.4	3.6
General Office Clerks	90	27.4	6.8
Secretaries	20	21.3	1.7
Shipping/Receiving Clerks	30	30.5	1.9
Other Clerical Workers	60	N.A.	3.1
Sales Workers	20	N.A.	1.5
Traffic Agents	20	28.3	1.5

1/ Detail may not add to totals because of rounding or data not published.

COMMUNICATION, EXCEPT RADIO AND TELEVISION BROADCASTING

(SIC 48, EXCEPT 483)

This major group includes establishments furnishing point-to-point communication services. Services for the exchange or recording of messages are also included.

Nearly 50 percent of the establishments have 19 or fewer employees; however, almost 90 percent of the employment is in establishments with 100 or more employees. The following table shows the percent distribution of establishments and employment by establishment size in this group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	46.7	3.2
20-49 employees	18.6	5.4
50-99 employees	11.4	2.8
100 or more employees	23.3	88.6

The following table lists the five specific occupations by employment size for this major group. These occupations had 41.6 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Central Office Operators	3,220	13.6
Managers and Officers	2,160	9.1
Accounting Clerks	1,670	7.0
Central Office Repairers	1,430	6.1
Installer Repairers	1,390	5.9

COMMUNICATION, EXCEPT RADIO AND TELEVISION BROADCASTING
(SIC 48, Except 483)
June, 1979

Occupation	Estimated 1/ Employment	Relative Error	Percent 1/ Distribution
Total Employment	23,680	N.A.	100.0
Officers and Managers	2,160	6.9	9.1
Professional and Technical Workers	1,170	N.A.	5.0
Engineers	680	N.A.	2.9
Electrical and Electronic Engineers	660	10.2	2.8
Other Engineers	20	N.A.	0.1
Accountants and Auditors	40	30.4	0.2
Electrical and Electronic Technicians	160	8.8	0.7
Other Professional Workers	160	N.A.	0.7
Other Engineering Technicians	40	N.A.	0.2
Other Technical Workers	90	N.A.	0.4
Service Workers	470	N.A.	2.0
Supervisors	160	25.2	0.7
Janitors, Porters, and Cleaners	310	15.4	1.3
Maintenance and Production Workers	8,290	N.A.	35.0
Supervisors	550	14.1	2.3
Automotive Mechanics	90	20.3	0.4
Electronic Mechanics	30	30.3	0.2
Cable Repairers	590	13.6	2.5
Cable Splicers	830	9.4	3.5
Central Office Repairers	1,430	6.6	6.1
Frame Wirers	200	16.1	0.9
Installer Repairers	1,390	8.7	5.9
Line Installers - Repairers	610	15.7	2.6
Station Installers	1,220	13.6	5.2
Shop Repairers, Instrument	90	28.2	0.4
Telegraph Equipment Maintainers	120	29.7	0.5
Telegraph Plant Maintainers	200	26.9	0.8
Teletype Installers	100	34.6	0.4
Trouble Locators, Test Desk	470	10.5	2.0
Other Skilled Workers	230	N.A.	1.0
Other Semiskilled Workers	110	N.A.	0.5
Other Unskilled Workers	30	N.A.	0.1
Clerical Workers	11,160	N.A.	47.1
Supervisors	990	6.6	4.2
Computer Operators	80	22.7	0.4
Stenographers	240	13.5	1.0
Accounting Clerks	1,670	7.5	7.0
Bookkeepers, Hand	30	22.3	0.1
Cashiers	140	26.7	0.6
Collectors	30	10.7	0.1
General Office Clerks	1,230	13.1	5.2
Personnel Clerks	20	9.1	0.1
Private Branch Service Advisors	110	6.5	0.5

Occupation	Estimated 1/ Employment	Relative Error	Percent 1/ Distribution
Secretaries	260	14.1	1.1
Service Observers	40	9.2	0.2
Automobile Rapairers - Servicers	150	10.2	0.6
Statistical Clerks	80	9.7	0.3
Telegraph Operators	50	14.1	0.2
Central Office Operators	3,220	7.7	13.6
Customer Service Representatives	1,020	6.5	4.3
Production Clerks/Coordinators	510	8.3	2.2
Stock Clerks, Stockroom	200	10.9	0.8
Dispatchers, Vehicle, Service or Work	470	11.0	2.0
Other Office Machine Operators	50	N.A.	0.2
Other Office Clerical Workers	530	N.A.	2.2
Other Plant Clerical Workers	40	N.A.	0.2
Sales Workers	430	N.A.	1.8
Sales Representatives	400	9.2	1.7
Sales Clerks	30	22.9	0.1

1/ Detail may not add to totals because of rounding or data not published.

RADIO AND TELEVISION BROADCASTING
(SIC 483)

This major group includes stations primarily engaged in activities involving the dissemination by radio to the public and aural and visual programs.

Nearly 80 percent of the establishments have 19 or fewer employees; while more than a third of the employment is in the same size class. The following table shows the percent distribution of establishments and employment by establishment size in this group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	77.8	39.3
20-49 employees	13.8	17.7
50-99 employees	4.6	13.8
100 or more employees	3.8	29.2

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for 62 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Announcers	1,130	21.9
Managers and Officers	1,000	19.4
Sales Representatives	580	11.3
Broadcast Technicians	270	5.3
Electrical and Electronic Engineers	230	4.5

RADIO AND TELEVISION BROADCASTING

(SIC 483)

MAY, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	5,150	N.A.	100.0
Managers and Officers	1,000	6.0	19.4
Professional and Technical Workers	2,680	N.A.	51.8
Electrical and Electronic Engineers	230	10.6	4.5
Photographers	130	7.0	2.6
Television Camera Operators	150	10.2	2.9
Announcers	1,130	6.6	21.9
Broadcast News Analysts	120	18.4	2.4
Commercial Artists	50	19.4	0.9
Writers and/or Editors	90	15.3	1.7
Film Editors	50	11.7	1.0
Public-Relations Practitioners	30	12.9	0.5
Reporters and Correspondents	180	12.1	3.4
Technical Directors	80	12.6	1.6
Electrical and Electronic Technicians	30	23.4	0.5
Sound Recording and Reproduction Technicians	30	33.7	0.6
Broadcast Technicians	270	12.6	5.3
Other Professional Workers	50	N.A.	1.0
Other Technicians	60	N.A.	1.2
Services	80	N.A.	1.5
Janitors, Porters, and Cleaners	80	17.2	1.5
Maintenance and Production Workers	60	N.A.	1.2
Other Skilled Workers	20	N.A.	0.4
Other Laborers	40	N.A.	0.8
Clerical Workers	750	N.A.	14.5
Bookkeeping/Billing Machine Operators	60	23.2	1.2
Accounting Clerks	30	12.1	0.6
Bookkeepers, Hand	90	17.6	1.8
General Office Clerks	20	29.7	0.4
Payroll/Timekeeping Clerks	30	33.9	0.5
Receptionists	40	26.2	0.8
Secretaries	170	10.3	3.4
Switchboard Operators/Receptionists	30	4.9	0.6
Traffic Clerks	190	10.7	3.7
Typists	30	30.3	0.6
Other Office Clerical Workers	40	N.A.	0.8
Other Plant Clerical Workers	20	N.A.	0.3
Sales Workers	580	N.A.	11.3
Sale Representatives	580	7.4	11.3

1/ Detail may not add to totals because of rounding or data not published.

ELECTRIC, GAS, AND SANITARY SERVICES, EXCEPT GAS PRODUCTION

(SIC 49, EXCEPT 492)

This major group includes establishments engaged in the generation, transmission and/or distribution of electricity, steam or combination electric and gas, and other utility services. Gas production and distribution is not included in this report. Water and irrigation systems and sanitary systems engaged in the collection and disposal of garbage, sewage, and other wastes by means of destroying or processing materials, are also included.

Sixty-one percent of the establishments have 19 or fewer employees; whereas, over 75 percent of the employment is in establishments with 100 or more employees. The following table shows the percent distribution of establishments and employment by establishment size in this group.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	61.0	5.2
20-49 employees	19.4	9.2
50-99 employees	9.8	9.1
100 or more employees	9.8	76.5

The following table lists the five largest occupations by employment size for this major group. These occupations represent 24.1 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
General Office Clerks	1,360	7.0
Line Installers-Repairers	1,070	5.4
Managers and Officers	880	4.5
Maintenance and Production Supervisors	830	4.2
Electricians	590	3.0

ELECTRIC, GAS, AND SANITARY SERVICES
(Except Gas Production and Distribution)

(SIC 49 Except 492)

APRIL, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	19,590	N.A.	100.0
Managers and Officers	880	10.7	4.5
Professional and Technical Workers	3,350	N.A.	17.1
Engineers	710	N.A.	3.7
Civil Engineers	50	17.5	0.3
Electrical and Electronic Engineers	370	11.3	1.9
Industrial Engineers	60	14.8	0.3
Mechanical Engineers	150	24.4	0.8
Other Engineers	80	N.A.	0.4
Natural and Mathematical Scientists	60	13.9	0.3
Systems Analysts	160	19.4	0.8
Purchasing Agents and/or Buyers	70	24.3	0.4
Accountants and Auditors	120	23.7	0.6
Personnel and Labor Relations Specialists	100	12.0	0.5
Right-of-Way Agents	80	26.7	0.4
Home Economists	20	22.2	0.1
Computer Operators	50	18.7	0.2
Draftsmen	270	17.4	1.4
Electrical and Electronic Technicians	410	8.1	2.1
Surveyors	80	21.5	0.4
Estimators and Drafters, Utilities	270	12.7	1.4
Science Technicians	160	13.7	0.8
Other Professional Workers	160	N.A.	0.8
Other Engineering Technicians	60	N.A.	0.3
Other Technicians	570	N.A.	2.9
Service Workers	440	N.A.	2.3
Supervisors	230	14.2	1.2
Janitors, Porters, and Cleaners	170	14.5	0.9
Other Service Workers	40	N.A.	0.2
Maintenance and Production Workers	9,190	N.A.	46.9
Supervisors	830	10.5	4.2
Mechanics, Automotive	200	14.6	1.0
Diesel Mechanics	60	21.3	0.3
Electric-Meter Installers	280	23.2	1.4
Engineering-Equipment Mechanics	60	19.7	0.3
Hydroelectric-Machinery Mechanics	120	12.8	0.6
Mechanics, Maintenance	190	15.6	1.0
Power-Transformer Repairers	180	18.6	0.9
Treatment-Plant Mechanics	30	21.9	0.2
Truck Drivers	300	9.4	1.5
Carpenters	240	15.4	1.2
Crane, Derrick, and Hoist Operators	40	22.6	0.2
Electricians	590	8.7	3.0
Ground Workers, Utilities	240	23.2	1.2

ELECTRIC, GAS, AND SANITARY SERVICES
(Except Gas Production and Distribution)

(SIC 49 Except 492)

APRIL, 1979

Occupation	Estimated 1/ Employment	Relative Error	Percent 1/ Distribution
Heavy Equipment Operators	110	11.8	0.6
Inspectors	190	19.0	1.0
Line Installers - Repairers	1,070	9.1	5.4
Machinists	140	15.8	0.7
Maintenance Repairers, General Utilities	180	18.3	0.9
Helpers, Trades	520	11.4	2.6
Painters, Maintenance	90	15.2	0.5
Pipelayers	60	25.1	0.3
Refuse Collectors	300	11.7	1.5
Street - Light Repairers	160	19.4	0.8
Substation Operators	160	12.6	0.8
Trouble Shooters, Power Line	200	22.5	1.0
Water Treatment Plant Operators	30	18.9	0.1
Welders and Flamecutters	420	15.1	2.1
Surveyor Helpers	80	17.9	0.4
Other Mechanics and Repairers	130	N.A.	0.7
Other Skilled Workers	330	N.A.	1.7
Other Semiskilled Workers	820	N.A.	4.2
Other Unskilled Workers	840	N.A.	4.3
Clerical Workers	5,640	N.A.	28.9
Supervisors	300	9.8	1.5
Bookkeeping/Billing Machine Operators	110	25.9	0.6
Computer Operators	60	7.7	0.3
Keypunch Operators	140	9.1	0.7
Stenographers	360	8.4	1.8
Accounting Clerks	230	12.6	1.2
Bookkeepers, Hand	100	25.0	0.5
Cashiers	190	18.9	1.0
Collectors	180	20.1	0.9
File Clerks	90	13.7	0.5
General Office Clerks	1,360	6.7	7.0
Order Clerks	160	16.6	0.8
Payroll/Timekeeping Clerks	80	11.8	0.4
Personnel Clerks	70	15.2	0.4
Secretaries	300	9.0	1.5
Switchboard Operators/Receptionists	120	28.1	0.6
Typists	80	13.0	0.4
Customer Service Representatives	370	8.7	1.9
Meter Readers, Utilities	490	11.2	2.5
Shipping/receiving Clerks	130	9.7	0.7
Stock Clerks, Stockroom	240	10.6	1.2
Dispatchers, Vehicle, Service or Work	100	19.6	0.5
Other Office Machine Workers	110	N.A.	0.6
Other Office Clerical Workers	170	N.A.	0.9
Other Plant Clerical Workers	100	N.A.	0.5

ELECTRIC, GAS, AND SANITARY SERVICES
(Except Gas Production and Distribution)

(SIC 49 Except 492)

Occupation	Estimated 1/ Employment	Relative Error	Percent 1/ Distribution
Sales Workers	90	N.A.	0.5
Sales Representatives	60	11.4	0.3
Other Sales Workers	30	N.A.	0.2

1/ Detail may not add to totals because of rounding or data not published.

WHOLESALE TRADE - DURABLE GOODS
(SIC 50)

Establishments in this major group are primarily engaged in the wholesale distribution of durable goods. These include motor vehicles and parts, furniture, construction materials, hardware and electrical supplies, and machinery, equipment, and supplies.

The following table shows the percent distribution of establishments and employment by establishment size. Nearly 85 percent of the establishments employ 19 or fewer people; while one-third of the employment is in the same size class.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	84.4	34.4
20-49 employees	10.8	24.0
50-99 employees	3.2	16.8
100 or more employees	1.6	24.8

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for 34 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Representatives, Nontechnical	8,530	11.5
Sales Representatives, Technical	6,820	9.2
General Office Clerks	4,110	5.5
Stock Clerks, Stockroom	3,340	4.5
Managers, Wholesale	2,920	3.9

WHOLESALE TRADE - DURABLE GOODS

(SIC 50)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	75,260	N.A.	100.0
Managers and Officers	6,360	N.A.	8.5
Managers, Merchandise	2,140	10.4	2.9
Managers, Wholesale	2,910	9.6	3.9
Other Managers	1,310	N.A.	1.7
Professional and Technical Workers	6,170	N.A.	8.1
Engineers	1,040	N.A.	1.4
Systems Analysts, EDP	260	11.6	0.3
Buyers, Retail and/or Wholesale Trade	910	14.2	1.2
Accountants and Auditors	690	27.2	0.9
Computer Programmer	250	12.7	0.3
Other Professional and Technical Workers	3,020	N.A.	4.0
Service Workers	540	N.A.	0.8
Janitors, Porters, and Cleaners	500	21.9	0.7
Other Service Workers	40	N.A.	0.1
Maintenance and Production Workers	23,090	N.A.	30.7
Supervisors	1,590	11.9	2.1
Mechanics and Repairers	6,800	N.A.	9.1
Mechanics, Automotive	1,690	27.2	2.3
Other Mechanics and Repairers	5,110	N.A.	6.8
Truck Drivers	2,040	9.2	2.7
Carpenters	90	24.2	0.1
Delivery and Route Workers	1,950	11.6	2.6
Industrial Truck Operators	640	21.0	0.9
Maintenance Repairers, General Utility	2,200	31.6	2.9
Order Fillers	2,150	12.4	2.9
Fuel Pump Attendants	310	24.3	0.4
Other Skilled Workers	590	N.A.	0.8
Other Semiskilled Workers	2,940	N.A.	3.9
Other Laborers	1,790	N.A.	2.4
Clerical Workers	21,550	N.A.	29.0
Supervisors	70	19.9	0.1
Bookkeeping/Billing Machine Operators	1,120	15.1	1.5
Keypunch Operators	470	24.4	0.6
Accounting Clerks	1,540	25.9	2.1
Bookkeepers, Hand	1,500	12.7	2.0
Cashiers	330	19.5	0.4
General Office Clerks	4,150	9.3	5.6
Order Clerks	1,370	19.3	1.8
Receptionists	260	24.7	0.3
Secretaries	2,270	14.7	3.1
Switchboard Operators/Receptionists	380	21.9	0.5
Typists	550	24.8	0.7
Shipping Packers	1,390	15.6	1.9
Shipping/Receiving Clerks	2,050	17.6	2.8
Weighers, Record Keeping	110	23.6	0.1

WHOLESALE TRADE - DURABLE GOODS

(SIC 50)

JUNE, 1979

Occupation	Estimated1/ Employment	Relative Error %	Percent1/ Distribution
Stock Clerks, Stockroom	3,340	14.9	4.5
Other Office Clerical Workers	610	N.A.	0.7
Other Plant Clerical Workers	40	N.A.	0.1
Sales Workers	17,550	N.A.	23.5
Sales Representatives, Nontechnical	8,560	11.9	11.5
Sales Representatives, Technical	6,790	10.4	9.1
Sales Clerks	1,810	18.4	2.4
Other Sales Workers	390	8.9	0.5

1/ Detail may not add to totals because of rounding or data not published.

WHOLESALE TRADE - NONDURABLE GOODS
(SIC 51)

Included in this major group are those establishments engaged in the wholesale distribution of nondurable goods. This classification includes paper, drug supplies, dry goods, farm products, chemicals, petroleum, and alcoholic beverages.

The class size of 19 or fewer employees contains over 80 percent of the establishments, in addition to accounting for the largest portion of the group's employment.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	83.7	34.5
20-49 employees	11.5	25.6
50-99 employees	3.0	15.4
100 or more employees	1.8	24.5

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for 44 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Representatives, Technical	7,730	15.4
Delivery and Route Workers	6,120	12.1
Truck Drivers	3,690	7.3
Sales Representatives, Nontechnical	2,380	4.7
Order Fillers	2,270	4.5

WHOLESALE TRADE - NONDURABLE GOODS

(SIC 51)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	50,340	N.A.	100.0
Managers and Officers	4,160	N.A.	8.3
Managers, Merchandise	1,260	9.2	2.5
Managers, Wholesale	2,250	7.7	4.5
Other Managers	650	N.A.	1.3
Professional and Technical Workers	1,690	N.A.	3.4
Engineers	140	N.A.	0.3
Systems Analysts, EDP	50	26.9	0.1
Buyers, Retail and/or Wholesale Trade	570	13.0	1.1
Accountants and Auditors	460	11.2	0.9
Computer Programmers	100	17.6	0.2
Other Professional and Technical Workers	170	N.A.	0.3
Other Technicians	200	N.A.	0.4
Service Workers	1,470	N.A.	2.9
Janitors, Porters, and Cleaners	590	32.4	1.2
Butchers and/or Meat Cutters	840	34.7	1.7
Other Food Service Workers	20	N.A.	-
Other Service Workers	20	N.A.	-
Maintenance and Production Workers	19,450	N.A.	38.6
Supervisors	860	12.1	1.7
Mechanics and Repairers	400	N.A.	0.8
Mechanics, Automotive	240	28.9	0.5
Other Mechanics and Repairers	160	N.A.	0.3
Truck Drivers	3,690	10.4	7.3
Delivery and Route Workers	6,120	8.6	12.1
Industrial Truck Operators	800	12.8	1.6
Maintenance Repairers, General Utility	870	19.5	1.7
Order Fillers	2,270	14.3	4.5
Other Skilled Workers	90	N.A.	0.2
Other Semiskilled Workers	880	N.A.	1.7
Other Laborers	3,470	N.A.	6.9
Clerical Workers	12,610	N.A.	25.0
Bookkeeping/Billing Machine Operators	760	12.0	1.5
Keypunch Operators	440	13.6	0.9
Accounting Clerks	690	15.6	1.4
Bookkeepers, Hand	970	9.6	1.9
Cashiers	290	18.7	0.6
General Office Clerks	2,000	7.3	4.0
Order Clerks	670	16.6	1.3
Receptionists	130	20.0	0.3
Secretaries	1,300	10.3	2.6
Switchboard Operators/Receptionists	180	13.0	0.4
Typists	250	16.7	0.5
Shipping Packers	1,940	16.8	3.8
Shipping/Receiving Clerks	1,140	11.9	2.3

WHOLESALE TRADE - NONDURABLE GOODS

(SIC 51)

JUNE, 1979

Occupation	Estimated1/ Employment	Relative Error %	Percent1/ Distribution
Weighers, Record Keeping	180	21.2	0.4
Stock Clerks, Stockroom	1,460	12.2	2.9
Other Office Clerical Workers	190	N.A.	0.3
Other Plant Clerical Workers	20	N.A.	-
Sales Workers	10,990	N.A.	21.8
Sales Representatives, Nontechnical	2,380	17.8	4.7
Sales Representatives, Technical	7,730	12.0	15.4
Sales Clerks	880	25.3	1.7
Other Sales Workers	-	-	-

1/ Detail may not add to totals because of rounding or data not published.

BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY, AND MOBILE HOME DEALERS (SIC 52)

This major group includes establishments primarily engaged in selling lumber and other building material; paint; glass; wallpaper; hardware; garden supplies; and mobile homes. Establishments whose sales are mostly to contractors are considered "retail" and are included in this group.

The following table shows the percent distribution of establishments and employment by establishment size in this group. Nearly 90 percent of the establishments employ 19 or fewer people. These firms employ more than 50 percent of the workers in this industry.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	89.6	53.1
20-49 employees	8.4	24.9
50-99 employees	1.6	11.1
100 or more employees	.4	10.9

The following table lists the five specific occupations by employment size for this major group. These occupations had 43.4 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Clerk	2,310	12.0
Sales Representatives, Technical	1,910	9.9
Managers, Stores	1,630	8.5
Truck Drivers	1,570	8.2
Bookkeepers, Hand	920	4.8

BUILDING MATERIALS AND GARDEN SUPPLIES

(SIC 52)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	19,230	N.A.	100.0
Managers and Officers	2,130	N.A.	11.1
Managers, Merchandise	470	10.6	2.5
Managers, Store	1,630	5.4	8.5
Other Managers	30	N.A.	0.1
Professional and Technical Workers	430	N.A.	2.2
Buyers, Retail and/or Wholesale Trade	310	14.5	1.6
Accountants and Auditors	120	20.7	0.6
Other Professional and Technical Workers	-	N.A.	-
Service Workers	300	N.A.	1.6
Janitors, Porters, and Cleaners	300	14.2	1.6
Other Service Workers	-	N.A.	-
Maintenance and Production Workers	7,660	N.A.	39.8
Supervisors	380	20.4	2.0
Mechanics and Repairers	190	N.A.	1.0
Mechanics, Automotive	80	24.6	0.4
Other Mechanics and Repairers	110	N.A.	0.6
Farm Equipment Mechanics	160	32.5	0.8
Truck Drivers	1,570	10.3	8.2
Carpenters	400	31.9	2.1
Delivery and Route Workers	610	15.6	3.2
Glaziers	320	28.3	1.7
Industrial Truck Operators	380	15.1	2.0
Maintenance Repairers, General Utility	220	24.0	1.1
Stock Clerks, Sales Floor	600	12.5	3.1
Wood Machinists	290	24.4	1.5
Mobile Home Repairers	170	19.8	0.9
Mobile Home Set-Up Operators	300	11.7	1.6
Other Skilled Workers	230	N.A.	1.2
Other Semiskilled Workers	610	N.A.	3.2
Other Laborers	1,230	N.A.	6.4
Clerical Workers	3,710	N.A.	19.3
Bookkeepers, Hand	920	6.8	4.8
Cashiers	320	13.8	1.7
General Office Clerks	860	8.7	4.5
Secretaries	420	9.7	2.2
Shipping/Receiving Clerks	290	15.7	1.5
Stock Clerks, Stockroom	830	16.1	4.3
Other Office Clerical Workers	70	N.A.	0.3
Other Plant Clerical Workers	-	N.A.	-
Sales Workers	5,000	N.A.	26.0
Sales Representatives, Nontechnical	780	15.1	4.1
Sales Representatives, Technical	1,910	9.5	9.9
Sales Clerks	2,310	8.6	12.0

1/ Detail may not add to totals because of rounding or data not published.

GENERAL MERCHANDISE STORES
(SIC 53)

This category includes retail stores commonly known as department and variety stores, general stores, etc. Establishments in this major group include stores which sell a variety of merchandise such as dry goods, apparel, small wares, and others.

The smallest class size contains 67 percent of the firms in this type of establishment while the class size of 100 or more employees contains 61 percent of the employment. The following table shows the percent distribution of establishments and employment by establishment size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	67.4	10.1
20-49 employees	12.4	9.5
50-99 employees	10.3	18.9
100 or more employees	9.9	61.5

The following table lists the five specific occupations by employment size for this major group. These occupations had 58.1 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Clerk	20,500	37.4
Cashiers	4,240	7.7
Sales Representatives, Technical	2,900	5.3
General Office Clerks	2,170	3.9
Managers, Store	2,090	3.8

GENERAL MERCHANDISE STORES

(SIC 53)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	54,750	N.A.	100.0
Managers and Officers	4,180	N.A.	7.6
Managers, Merchandise	850	11.5	1.6
Managers, Store	2,060	6.1	3.8
Other Managers and Officers	1,270	N.A.	2.3
Professional and Technical Workers	1,760	N.A.	3.1
Buyers, Retail and/or Wholesale Trade	1,090	14.7	2.0
Accountants and Auditors	130	34.0	0.2
Commercial Artists	100	14.7	0.2
Personnel and Labor Relations Specialists	190	7.2	0.3
Designers	40	22.1	0.1
Other Professional and Technical Workers	210	N.A.	0.2
Service Workers	3,030	N.A.	5.5
Supervisors	70	27.9	0.1
Janitors, Porters, and Cleaners	1,010	6.0	1.8
Guards and Doorkeepers	150	15.8	0.3
Kitchen Helpers	60	22.6	0.1
Waiters and Waitresses	530	11.4	1.0
Counter Attendants	240	20.7	0.4
Cooks, Short Order	180	19.3	0.3
Cooks, Restaurant	50	21.2	0.1
Cosmetologists	140	22.1	0.3
Checkers, Fitting Room	160	17.4	0.3
Store Detectives	380	12.7	0.7
Other Service Workers	90	N.A.	0.2
Maintenance and Production Workers	5,980	N.A.	11.0
Supervisors	270	15.5	0.5
Mechanics and Repairers	1,180	N.A.	2.2
Mechanics, Automotive	380	11.1	0.7
Mechanics, Maintenance	90	14.2	0.2
Other Mechanics and Repairers	710	N.A.	1.3
Truck Drivers	340	11.1	0.6
Carpenters	50	3.5	0.1
Delivery and Route Workers	80	31.1	0.2
Merchandise Displayers	180	9.2	0.3
Industrial Truck Operators	60	23.0	0.1
Maintenance Repairers, General Utility	130	12.1	0.2
Sewers, Custom	200	20.4	0.4
Alteration Tailors	250	17.0	0.5
Fuel Pump Attendants	150	11.4	0.3
Tire Changers	280	11.0	0.5
Household - Appliance Installers	30	24.0	0.1
Stock Clerks, Sales Floor	1,940	16.6	3.5
Other Skilled Workers	60	N.A.	0.1
Other Semiskilled Workers	290	N.A.	0.5
Other Laborers	490	N.A.	0.9

GENERAL MERCHANDISE STORES

(SIC 53)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Clerical Workers	15,370	N.A.	28.1
Supervisors	320	11.1	0.6
Bookkeeping/Billing Machine Operators	60	23.0	0.1
Computer Operators	30	23.6	0.1
Keypunch Operators	110	20.1	0.2
Peripheral EDP Equipment Operators	50	19.8	0.1
Accounting Clerks	440	11.6	0.8
Bookkeepers, Hand	350	10.5	0.6
Adjustment Clerks	420	18.0	0.8
Cashiers	4,230	6.7	7.7
File Clerks	80	29.5	0.2
General Office Clerks	2,140	7.7	3.9
Credit Authorizers	290	14.5	0.5
Order Clerks	250	19.8	0.4
Payroll/Timekeeping Clerks	160	17.1	0.3
Personnel Clerks	90	11.4	0.2
Secretaries	540	17.5	1.0
Service Clerks	550	17.0	1.0
Switchboard Operators	320	7.7	0.6
Typists	100	35.0	0.2
Shipping Packers	340	16.0	0.6
Shipping/Receiving Clerks	880	8.0	1.6
Stock Clerks, Stockroom	1,660	7.2	3.0
Marking Clerks	1,020	15.9	1.9
Other Office Clerical Workers	940	N.A.	1.7
Sales Workers	24,490	N.A.	44.6
Supervisors	580	14.9	1.0
Sales Representatives, Nontechnical	320	32.1	0.6
Sales Representatives, Technical	2,930	16.1	5.3
Sales Clerks	20,400	3.6	37.2
Other Sales Workers	260	N.A.	0.5

1/ Detail may not add to totals because of rounding or data not published.

FOOD STORES
(SIC 54)

This major group includes retail stores engaged in selling food for home use only. Establishments selling food for on premises consumption are not included in this category. Retail grocery, meat and fish markets, fruit stores, confectionaries, and bakeries are examples of this group.

The following table shows the percent distribution of establishments and employment by establishment size of retail food stores.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	83.9	26.1
20-49 employees	10.7	22.0
50-99 employees	3.1	14.8
100 or more employees	2.3	37.1

The following table lists the largest specific occupations by employment size for this major group. These occupations accounted for nearly 80 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Cashiers	10,730	24.2
Stock Clerks, Sales Floor	7,710	17.4
Baggers	6,200	14.0
Sales Clerks	3,860	8.7
Managers, Store	3,450	7.8
Butchers and/or Meatcutters	3,060	6.9

FOOD STORES

(SIC 54)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	44,330	N.A.	100.0
Managers and Officers	3,730	N.A.	8.4
Managers, Store	3,450	5.6	7.8
Other Managers	280	N.A.	0.6
Professional and Technical Workers	410	N.A.	0.9
Buyers, Retail and/or Wholesale Trade	340	27.3	0.8
Accountants and Auditors	30	20.7	0.1
Other Professional and Technical Workers	40	N.A.	0.1
Service Workers	4,050	N.A.	9.1
Janitors, Porters, and Cleaners	300	16.7	0.7
Butchers and/or Meatcutters	3,060	5.6	6.9
Other Service Workers	690	N.A.	1.6
Maintenance and Production Workers	17,730	N.A.	40.0
Supervisors	460	20.7	1.0
Mechanics	90	N.A.	0.2
Truck Drivers	220	18.0	0.5
Delivery and Route Workers	210	30.1	0.5
Production Packagers	970	17.1	2.2
Baggers	6,200	6.6	14.0
Stock Clerks, Sales Floor	7,710	6.6	17.4
Bakers	990	22.6	2.2
Doughnut Makers/Machine Operators	380	22.5	0.9
Other Semiskilled Workers	470	N.A.	1.1
Other Laborers	30	23.3	0.1
Clerical Workers	14,470	N.A.	32.6
Bookkeepers, Hand	880	8.5	2.0
Cashiers	10,730	4.5	24.2
General Office Clerks	640	17.8	1.5
Secretaries	320	29.0	0.7
Stock Clerks, Stockroom	1,720	18.9	3.9
Other Office Clerical Workers	120	N.A.	0.3
Other Plant Clerical Workers	60	N.A.	0.1
Sales Workers	3,940	N.A.	8.9
Sales Representatives, Nontechnical	80	30.5	0.2
Sales Clerks	3,860	16.0	8.7

1/ Detail may not add to totals because of rounding or data not published.

AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
(SIC 55)

This major group includes establishments selling new, used, or new and used automobiles and recreation equipment, gasoline stations and motorcycle dealers. Boat and utility trailer dealers are also included.

Almost 90 percent of the establishment have 19 or fewer employees and nearly one-half of the employment is in this class size. The percent distribution of establishments and employment size in this major group are shown in the following table.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	89.9	48.3
20-49 employees	7.6	27.3
50-99 employees	2.1	17.4
100 or more employees	.4	7.0

The following table lists the largest specific occupations by employment size for this major group. These occupations had 60 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Mechanics, Automotive	7,660	16.9
Sales Representatives, Technical	6,110	13.5
Fuel Pump Attendants	5,570	12.3
Managers, Store	4,420	9.7
Tire Changers	1,740	3.8
Bookkeepers, Hand	1,740	3.8

AUTOMOTIVE DEALERS AND SERVICE STATIONS

(SIC 55)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	45,530	N.A.	100.0
Managers and Officers	7,300	N.A.	16.0
Managers, Store	4,320	6.0	9.5
Managers, Automobile Service Dept.	1,560	6.8	3.4
Managers, Automotive Parts Dept.	1,050	8.5	2.3
Other Managers	370	26.7	0.8
Professional and Technical Workers	490	N.A.	1.1
Accountants and Auditors	420	18.5	0.9
Other Technicians	70	12.6	0.2
Service Workers	870	N.A.	1.9
Janitors, Porters, and Cleaners	640	21.5	1.4
Other Service Workers	230	N.A.	0.5
Maintenance and Production Workers	22,110	N.A.	48.8
Supervisors	390	20.1	0.9
Mechanics and Repairers	10,110	N.A.	22.3
Mechanics, Automotive	7,840	4.8	17.3
Body Repairers, Automotive	1,630	10.3	3.6
Marine Mechanics and/or Repairers	50	23.1	0.1
Motorboat Mechanics	240	8.2	0.5
Other Mechanics and Repairers	350	N.A.	0.8
Automobile Repairers - Servicers	270	20.3	0.6
Cleaners, Vehicle	1,490	9.7	3.3
Delivery and Route Workers	250	27.7	0.6
Helpers, Trades	700	23.1	1.5
Painters, Automotive	380	24.3	0.8
Tire Fabricators	310	33.1	0.7
Fuel Pump Attendants	5,620	6.6	12.4
Tire Changers	1,740	16.5	3.8
Other Skilled Workers	30	N.A.	0.1
Other Semiskilled Workers	700	N.A.	1.5
Other Laborers	120	N.A.	0.3
Clerical Workers	7,360	N.A.	16.2
Accounting Clerks	530	17.7	1.2
Bookkeepers, Hand	1,780	8.5	3.9
General Office Clerks	1,420	12.0	3.1
Secretaries	620	17.7	1.4
Switchboard Operators/Receptionists	220	18.0	0.5
Stock Clerks, Stockroom	1,060	27.3	2.3
Other Office Clerical Workers	1,730	N.A.	3.8
Sales Workers	7,400	N.A.	16.3
Sales Representatives, Technical	6,110	5.4	13.5
Sales Clerks	840	21.6	1.8
Other Sales Workers	450	N.A.	1.0

1/ Detail may not add to totals because of rounding or data not published.

APPAREL AND ACCESSORY STORES
(SIC 56)

This major group includes retail establishments primarily engaged in selling new clothing, shoes, hats, and other articles for personal wear. Furriers and custom tailors that have inventory on hand are included in this group.

The following table shows the percent distribution of establishments and employment by establishment size in the apparel and accessory stores group. 91 percent of the establishments have less than 20 employees, and 52 percent of the employment is in the same class size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	91.1	52.6
20-49 employees	6.5	21.3
50-99 employees	1.7	13.6
100 or more employees	.7	12.5

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for nearly 80 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Clerks	10,270	45.1
Managers, Store	2,760	12.1
Sales Representatives, Technical	2,690	11.8
Cashiers	1,000	4.4
Alteration Tailors	990	4.4

APPAREL AND ACCESSORY STORES

(SIC 56)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	22,800	N.A.	100.0
Managers and Officers	3,280	N.A.	14.4
Managers, Merchandise	380	13.5	1.7
Managers, Store	2,760	6.4	12.1
Other Managers	140	N.A.	0.6
Professional and Technical Workers	570	N.A.	2.5
Buyers, Retail and/or Wholesale Trade	550	18.4	2.4
Other Professional and Technical Workers	20	N.A.	0.1
Service Workers	290	N.A.	1.3
Janitors, Porters, and Cleaners	190	21.7	0.8
Other Service Workers	100	N.A.	0.4
Maintenance and Production Workers	2,130	N.A.	9.3
Truck Drivers	20	30.0	0.1
Merchandise Displayers	50	26.6	0.2
Alteration Tailors	990	12.2	4.4
Stock Clerks, Sales Floor	880	31.0	3.9
Other Skilled Workers	100	N.A.	0.4
Other Semiskilled Workers	60	N.A.	0.3
Other Laborers	30	N.A.	0.1
Clerical Workers	3,280	N.A.	14.4
Bookkeepers, Hand	600	12.7	2.6
Cashiers	1,000	14.3	4.4
General Office Clerks	580	21.4	2.5
Order Clerks	60	25.6	0.3
Secretaries	170	25.1	0.7
Shipping/Receiving Clerks	240	27.4	1.0
Stock Clerks, Stockroom	530	32.8	2.3
Other Office Clerical Workers	100	N.A.	0.4
Sales Workers	13,210	N.A.	57.9
Sales Representatives, Nontechnical	250	33.3	1.1
Sales Representatives, Technical	2,690	17.8	11.8
Sales Clerks	10,270	5.6	45.1

1/ Detail may not add to totals because of rounding or data not published.

FURNITURE, HOME FURNISHINGS, AND EQUIPMENT STORES (SIC 57)

Establishments in this group are primarily retail stores selling home furnishings such as furniture, draperies, electrical and gas applicances. Antique and used furniture dealers are not included in this group.

Nearly 95 percent of the establishments are classified in the 19 or fewer employees group. The following table shows percent distribution of establishments and employment by establishment size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	94.4	61.0
20-49 employees	4.6	17.0
50-99 employees	0.7	6.1
100 or more employees	0.3	15.9

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for nearly 50 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Representatives, Technical	3,270	17.0
Managers, Store	2,110	10.9
Delivery and Route Workers	1,490	7.7
Sales Representatives, Nontechnical	1,360	7.0
General Office Clerks	1,290	6.7

FURNITURE AND HOME FURNISHINGS STORES

(SIC 57)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	19,050	N.A.	100.0
Managers and Officers	2,430	N.A.	13.0
Managers, Merchandise	380	22.0	2.0
Managers, Store	2,010	5.7	10.8
Other Managers	40	23.2	0.2
Professional and Technical Workers	660	N.A.	3.5
Buyers, Retail and/or Wholesale Trade	300	22.0	1.6
Other Professional and Technical Workers	360	N.A.	1.9
Service Workers	330	N.A.	1.6
Janitors, Porters, and Cleaners	330	20.0	1.6
Maintenance and Production Workers	6,090	N.A.	31.1
Mechanics and Repairers	1,130	N.A.	6.1
Refrigerator/Air Conditioning Mechanics	270	16.4	1.5
Television Servicers	590	16.5	3.2
Gas and Electric Appliance Mechanics	250	22.1	1.3
Other Mechanics and Repairers	20	N.A.	0.1
Carpet Cutters	720	33.8	3.9
Delivery and Route Workers	1,400	11.8	7.5
Household Appliance Installers	370	27.4	2.0
Other Skilled Workers	830	N.A.	4.3
Other Semiskilled Workers	840	N.A.	4.4
Other Laborers	560	N.A.	2.9
Clerical Workers	3,970	N.A.	20.9
Supervisors	330	20.2	1.6
Accounting Clerks	180	17.8	1.0
Bookkeepers, Hand	650	12.1	3.5
Cashiers	450	22.2	2.4
General Office Clerks	1,250	11.0	6.7
Secretaries	210	21.0	1.1
Other Office Clerical Workers	260	N.A.	1.4
Other Plant Clerical Workers	640	N.A.	3.3
Sales Workers	5,570	N.A.	29.9
Sales Representatives, Nontechnical	1,300	18.8	7.0
Sales Representatives, Technical	3,260	9.5	17.5
Sales Clerks	1,010	16.0	5.4

1/ Detail may not add to totals because of rounding or data not published.

EATING AND DRINKING PLACES
(SIC 58)

The establishments in this major grouping are primarily engaged in the retail selling of food and drinks for on the premises consumption. Establishments that are operated as a subordinate service facility of another industry are not included.

The following table shows the percent distribution of establishments and employment by establishment size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	73.4	28.7
20-49 employees	20.6	36.0
50-99 employees	4.3	16.2
100 or more employees	1.7	19.1

The following table lists the largest specific occupations by employment size for this major group. These occupations had 38.7 percent of the total employment.

Occupation	Estimated Industry Employment	Percent Distribution
Waiters and/or Waitresses	20,910	21.5
Kitchen Helpers	8,080	8.3
Cooks, Restaurant	4,960	5.1
Managers, Restaurant	3,730	3.8

EATING AND DRINKING PLACES

(SIC 58)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	97,220	N.A.	100.0
Managers and Officers	5,850	N.A.	6.0
Managers, Restaurant	3,730	22.2	3.8
Other Managers and Officers	2,120	N.A.	2.2
Professional and Technical Workers	210	N.A.	0.2
Service Workers	80,630	N.A.	82.9
Kitchen Helpers	8,080	24.5	8.3
Waiters or Waitresses	20,910	26.0	21.5
Cooks, Restaurant	4,960	25.1	5.1
Other Food Service Workers	43,440	N.A.	44.7
Other Service Workers	3,240	N.A.	3.3
Maintenance and Production Workers	1,460	N.A.	1.5
Clerical Workers	8,790	N.A.	9.0
Sales Workers	280	N.A.	0.3

1/ Detail may not add to totals because of rounding or data not published.

MISCELLANEOUS RETAIL
(SIC 59)

This major group includes establishments not previously classified. Drug and liquor stores, florists, cigar stores, and fuel and ice dealers are included within this classification.

The smallest class size contains 92 percent of the establishments as well as 59 percent of the employment as indicated in the table below. The table shows the percent distribution of the establishments and employment by establishment size.

Establishment Size	Percent of Establishments	Percent of Employment
19 or fewer employees	92.9	56.0
20-49 employees	5.3	18.0
50-99 employees	1.3	10.9
100 or more employees	0.5	15.1

The following table lists the five specific occupations by employment size for this major group. These occupations accounted for nearly 50 percent of the total group's employment.

Occupation	Estimated Industry Employment	Percent Distribution
Sales Clerks	9,000	19.3
Cashiers	3,920	8.4
Managers, Store	3,890	8.3
Delivery and Route Workers	3,320	7.1
Sales Representatives, Technical	3,110	6.7

MISCELLANEOUS RETAIL

(SIC 59)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Total Employment	46,390	N.A.	100.0
Managers and Officers	5,040	N.A.	10.8
Managers, Merchandise	980	11.0	2.1
Managers, Store	3,840	4.5	8.2
Other Managers	220	18.6	0.5
Professional and Technical Workers	4,930	N.A.	10.6
Buyers, Retail and/or Wholesale Trade	630	15.9	1.4
Accountants and Auditors	200	20.7	0.4
Pharmacists	2,130	7.2	4.6
Designers	1,790	12.0	3.8
Other Professional and Technical Workers	180	N.A.	0.2
Service Workers	3,400	N.A.	7.3
Janitors, Porters, and Cleaners	700	32.8	1.5
Guards and Doorkeepers	30	34.5	0.1
Counter Attendants	790	25.9	1.7
Cooks, Short Order	340	28.0	0.7
Other Food Service Workers	1,380	N.A.	3.0
Other Service Workers	160	N.A.	0.3
Maintenance and Production Workers	9,830	N.A.	20.9
Supervisors	110	25.7	0.2
Mechanics and Repairers	1,850	N.A.	3.9
Mechanics, Automotive	240	13.0	0.5
Vending Machine Servicers/Repairers	800	22.8	1.7
Gas and Electric Appliance Repairers	470	10.3	1.0
Other Mechanics and Repairers	340	N.A.	0.7
Truck Drivers	620	13.0	1.3
Delivery and Route Workers	3,340	10.3	7.2
Industrial Truck Operators	70	40.4	0.1
Jewelers and/or Silversmiths	270	26.6	0.6
Oil-Burner - Installers	190	17.3	0.4
Order Fillers	510	25.3	1.1
Watchmakers	120	31.1	0.2
Furniture Finishers	50	29.6	0.1
Other Skilled Workers	280	N.A.	0.6
Other Semiskilled Workers	1,580	N.A.	3.4
Other Laborers	840	N.A.	1.8
Clerical Workers	9,920	N.A.	21.5
Bookkeeping/Billing Machine Operators	330	14.7	0.7
Keypunch Operators	170	21.3	0.4
Accounting Clerks	540	24.6	1.2
Bookkeepers, Hand	970	9.8	2.1
Cashiers	3,370	11.3	7.2
General Office Clerks	1,500	9.7	3.2
Payroll/Timekeeping Clerks	30	16.6	0.1
Receptionists	90	28.4	0.2
Secretaries	350	13.2	0.7

MISCELLANEOUS RETAIL

(SIC 59)

JUNE, 1979

Occupation	Estimated 1/ Employment	Relative Error %	Percent 1/ Distribution
Typists	130	31.9	0.3
Switchboard Operators/Receptionists	50	24.1	0.1
Shipping/Receiving Clerks	400	15.5	1.0
Stock Clerks, Stockroom	620	24.8	1.3
Marking Clerks	130	34.3	0.3
Other Office Machine Operators	140	N.A.	0.3
Other Office Clerical Workers	1,020	N.A.	2.2
Other Plant Clerical Workers	80	N.A.	0.2
Sales Workers	13,290	N.A.	28.4
Sales Representatives, Nontechnical	810	28.8	1.7
Sales Representatives, Technical	3,090	15.9	6.6
Sales Clerks	9,320	5.8	20.0
Other Sales Workers	70	35.5	0.1

1/ Detail may not add to totals because of rounding or data not published.